CLEAN VERSION OF THE AMENDED CLAIMS

1. (amended) An improved arrangement to configure construction components characterised on being constituted as from a combination of plastic and metal, consisting of a plastic enveloping casting (2) or (12) or (22) or (32) or (42) or (52) or (62)or (72) or (82) or (92) or (102) or (112) surrounding an internal metallic structure (3) or (13) or (23) or (33) or (43) or (53) or (63) or (73) or (83) or (93) or (103) or (113), incorporating a metallic laminate or plate (4) and (4') or (84) or (114) and (114') for reinforcement in bolted joints.

2. (amended) An improved arrangement to configure construction components, according to the first claim, characterised in that a resulting combination may adopt a form of rails and beams (1), pipes (10), rods (20), channels (30), angles (40), flatbars (50), "Z" (60), profiles (70), beams (80), corrugated plates (90), smooth plates (100) or structures (110).

3. (new) A construction component comprising an internal metallic structure exhibiting a planar face;

a metallic laminate disposed parallel to the planar face;

a plastic enveloping casting surrounding the internal metallic structure and the metallic laminate;

bolted joints passing through the metallic laminate, wherein the metallic laminate furnishes a reinforcement.

4. (new) The construction component according to claim 3, wherein the construction component assumes a form of rails and beams (1), pipes (10), or rods (20).

5. (new) The construction component according to claim 3, wherein the construction component assumes a form of channels (30), angles (40), flatbars (50), or "Z"-shapes (60).

6. (new) The construction component according to claim 3, wherein the construction component assumes a form of profiles (70), or beams (80).

7. (new) The construction component according to claim 3, wherein the construction component assumes a form of corrugated plates (90), smooth

plates (100) or structures (110).

8. (new) An I-beam structure comprising

a metallic I-beam having an upper face and having a lower face;

a first metallic laminate disposed above the upper face at a distance;

a second metallic laminate disposed below the lower face at a second distance;

a cast plastic envelope surrounding the metallic I-beam and the metallic laminate and having an outer shape of an I-beam.